

Secure, Scalable, and Powered by pfSense®

GridGuard-Enterprise Router Appliance



Powered by



Secure networking challenges
addressed by GridGuard-HO

Load Balancing

Traffic Shaping

Captive Portal

UTM Device

DNS/DHCP Server

IDS/IPS

Features:

Firewall & Router

- Stateful Packet Inspection (SPI)
- Anti-Spoofing
- Connection limits
- Reverse proxy
- Supports concurrent IPv4 and IPv6
- VLAN support (802.1q)
- IPv6 network prefix translation
- Multiple IP addresses per interface
- DNS forwarding
- PPPoE Server
- GeoIP blocking
- Time based rules
- Dynamic DNS
- Captive portal guest network
- NAT mapping (inbound/outbound)
- Configurable static routing
- IPv6 router advertisements
- DHCP server
- Wake-on-LAN

VPN:

- IPsec and OpenVPN
- SSL encryption
- L2TP/IPsec for mobile devices
- IPv6 support
- Multiple tunnels
- NAT support
- Local user authentication or RADIUS/LDAP
- Site-to-site and remote access VPN support
- VPN client for multiple operating systems
- Multi-WAN for failover
- Split tunneling
- VPN tunnel failover
- Automatic or custom routing

Industrial Prevention System (Optional):

- Snort-based packet analyzer
- Layer 7 application detection
- Multiple rules sources and categories
- Emerging threats database
- IP blacklist database
- Pre-set rule profiles
- Per-interface configuration
- Suppressing false positive alerts
- Deep Packet Inspection (DPI)
- Optional open-source packages for application blocking

Enterprise Reliability:

- **Optional multi-node High Availability Clustering**
- Multi-WAN load balancing
- Automatic connection failover
- Bandwidth throttling
- Traffic shaping wizard
- Reserve or restrict bandwidth based on traffic priority
- Fair sharing bandwidth
- User data transfer quotas

User Authentication:

- Local user and group database
- User and group-based privileges
- Optional automatic account expiration
- External RADIUS authentication
- Automatic lockout after repeated attempts

Administration:

Configuration

- Web-based configuration
- Setup wizard for initial configuration
- Remote web-based administration
- Customizable dashboard
- Easy configuration backup/restore
- Configuration export/import
- Variable level administrative rights
- Multi-language support
- Simple updates
- Forward-compatible configuration
- Serial console for shell access and recovery options

System Security:

- Web interface security protection
- CSRF protection
- HTTP Referrer enforcement
- DNS Rebinding protection
- HTTP Strict Transport Security
- Frame protection
- Optional key-based SSH access

Reporting and Monitoring requires Prometheus Server

- Dashboard with configurable widgets
- Local logging
- Remote logging
- Local monitoring graphs
- Real-time interface traffic graphs
- SNMP monitoring
- Notifications via web interface, SMTP, or Growl
- Hardware monitoring
- Networking diagnostic tools